## Message

From: Takaba, Richard R [richard.takaba@doh.hawaii.gov]

**Sent**: 2/16/2017 3:44:05 AM

To: Pallarino, Bob [Pallarino.Bob@epa.gov]; TU, LYNDSEY [Tu.Lyndsey@epa.gov]

**Subject**: FW: NAV FAC Synoptic Water Levels

Attachments: oil-water\_interface-table\_w-water-levels.xlsx; NavFac\_synopic-survey\_11-18-16.pdf; Synoptic-Survey\_11-18-16.xls

Bob, Lyndsey, this might be useful but im not a geologist.

Rich

From: Whittier, Robert

Sent: Thursday, January 05, 2017 2:49 PM

To: Frazier, William Mark <william.frazier@doh.hawaii.gov>; Takaba, Richard R <richard.takaba@doh.hawaii.gov>

Subject: NAV FAC Synoptic Water Levels

Hey Mark and Rich,

Scanned and graphed the NAVFAC synoptic water level data. The relative water levels are pretty much in line with those measured during monthly oil/water interface surveys and monthly sampling. No "mauka to makai" gradient.

Bob W.